

Title (en)

AUTONOMOUS VEHICLE DETECTION OF AND RESPONSE TO YIELD SCENARIOS

Title (de)

ERKENNUNG VON UND REAKTION AUF VORFAHRTSSZENARIEN EINES AUTONOMEN FAHRZEUGS

Title (fr)

DÉTECTION DE VÉHICULE AUTONOME DES SCÉNARIOS DE PRIORITÉ ET RÉPONSE À CES DERNIERS

Publication

**EP 3230971 B1 20230802 (EN)**

Application

**EP 15813992 A 20151204**

Priority

- US 201414565265 A 20141209
- US 2015063926 W 20151204

Abstract (en)

[origin: US2016161270A1] An automated driving system and methods are disclosed. The automated driving system includes a perception system disposed on an autonomous vehicle. The automated driving system can detect an intersection including a yield scenario and identify a check point between the autonomous vehicle and the yield scenario. Prior to the autonomous vehicle reaching the check point, the automated driving system can send a command to one or more vehicle systems to control the autonomous vehicle to stop at the yield scenario. After the autonomous vehicle reaches the check point, the automated driving system can detect, using the perception system, information for the intersection. If the information indicates clear passage through the intersection for the autonomous vehicle, the automated driving system can send a command to the one or more vehicle systems to drive the autonomous vehicle through the intersection.

IPC 8 full level

**G08G 1/0962** (2006.01); **B60W 30/18** (2012.01); **G05D 1/02** (2020.01); **G08G 1/0967** (2006.01); **G08G 1/16** (2006.01)

CPC (source: EP US)

**B60W 30/00** (2013.01 - US); **B60W 30/181** (2013.01 - US); **B60W 30/18154** (2013.01 - EP US); **B60W 30/18163** (2013.01 - US); **B60W 60/0015** (2020.02 - US); **G01C 21/34** (2013.01 - US); **G05D 1/0246** (2024.01 - US); **G05D 1/0289** (2024.01 - US); **G06V 20/54** (2022.01 - EP US); **G06V 20/58** (2022.01 - US); **G06V 20/584** (2022.01 - US); **G08G 1/09626** (2013.01 - EP US); **G08G 1/096725** (2013.01 - EP US); **G08G 1/09675** (2013.01 - EP US); **G08G 1/096775** (2013.01 - EP US); **G08G 1/165** (2013.01 - EP US); **G08G 1/166** (2013.01 - EP US); **G08G 1/167** (2013.01 - EP US); **B60W 2552/05** (2020.02 - EP US); **B60W 2554/00** (2020.02 - EP US); **B60W 2554/4026** (2020.02 - US); **B60W 2554/4029** (2020.02 - US); **B60W 2554/4041** (2020.02 - US); **B60W 2554/406** (2020.02 - US); **B60W 2554/80** (2020.02 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2016161270 A1 20160609**; **US 9534910 B2 20170103**; EP 3230971 A1 20171018; EP 3230971 B1 20230802; EP 3230971 B8 20230906; JP 2018503169 A 20180201; JP 6619436 B2 20191211; WO 2016094224 A1 20160616

DOCDB simple family (application)

**US 201414565265 A 20141209**; EP 15813992 A 20151204; JP 2017527747 A 20151204; US 2015063926 W 20151204